

IPU/1625  
PATENT


Attorney Docket No. 00769-07

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:	Milton L. Brown	}	Customer No.	34444
Serial No.	10/511,666	}	Art Unit:	1625
Filed:	October 18, 2004	}	Examiner:	Unknown
Title:	Novel Sodium Channel Blockers			

**Certificate of Mailing Under 37 CFR §1.8**

I hereby certify that this correspondence is being deposited with the United States Postal Service using First Class Service under 37 C.F.R. § 1.8 on the date indicated below and is addressed to Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

Date: March 15, 2006  
Sue Ann Carr**TRANSMITTAL OF SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. 1.97 (b)(3)**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

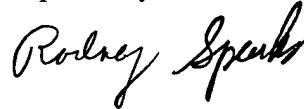
Sir:

Submitted herewith please find a supplemental Information Disclosure Statement for the above-identified application, consisting of Form PTO/SB/08A and ten (10) copies of foreign patents and Form PTO/SB/08B, and fourteen (14) copies of references. The Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits per 37 C.F.R. 1.97(b)(3).

Applicants respectfully submit that the filing of this supplemental Information Disclosure Statement is not a representation that a prior art search was conducted or that the information cited is material to the patentability of the invention as defined in 37 CFR § 1.56, or that any cited document is prior art. Applicants request that the Examiner consider the references, determine their relevance to the present application, if any, and list the references on the face of any patent which may issue from the present application. Applicants further request that an initialed copy of Forms PTO/SB/08A and PTO/SB/08B be returned to applicants.

No fees are believed to be due for this submission. If this belief is in error, the Commissioner is hereby authorized to charge any fees due for this submission to Deposit Account No. 50-0423, as well as credit any refunds.

Respectfully submitted,

A handwritten signature in black ink, reading "Rodney Sparks". The signature is written in a cursive, flowing style.

Rodney L. Sparks  
Registration No. 53,625

March 15, 2006

University of Virginia Patent Foundation  
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Fax: (434) 924-2493

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

Sheet	1	of	2
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**Complete if Known**

Application Number	10/511,666
Filing Date	October 18, 2004
First Named Inventor	Milton L. Brown
Art Unit	1625
Examiner Name	Unknown
Attorney Docket Number	00769-07

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	5	EP	0552631	A1	07/28/1993	Bayer AG	Entire Document	
	6	EP	0076957	A1	04/20/1983	Bayer AG	Entire Document	
	7	WO	99/41229	A1	08/19/1999	Guillermo Sandoval	Entire Document	
	8	SU	447401		10/25/1974	Perm Pharm. Inst.	Entire Document	
	9	GB	980250		1/13/1965	Innothera	Entire Document	

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		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	10	EP	0006407	A1	1/9/1980	Nippon Zoki Pharm.	Entire Document	
	11	WO	02/083133	A1	10/24/2002	Univ of Va Patent Found.	Entire Document	
	12	GB	1566171		4/30/1980	Pfizer, Inc.	Entire Document	
	13	EP	0115133	A1	8/8/1984	Pfizer, Inc.	Entire Document	
	14	WO	01/45704	A1	6/28/2001	Merck & Co.	Entire Document	

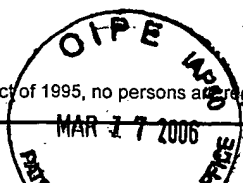
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## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	A	ABDUL, M. et al., (2001), "Inhibition by Anticonvulsants of Prostate-specific Antigen and Interleukin-6 Secretion by Human Prostate Cancer Cells," Anticancer Research, vol. 21, pp. 2045-2048.	
	B	MEZA-TOLEDO, S.E. et al., (1995), "Stereoselective Anticonvulsant Activity of the Enantiomers of (+-)-2-Hydroxy-2-phenylbutyramide," Arzneimittel Forschung. Drug Research, vol. 45, pp. 756-759.	
	C	MEZA-TOLEDO, S.E. et al., (1990), "A New Homologous Series of Anticonvulsants: Phenyl Alcohol Amides," Arzneimittel Forschung. Drug Research, vol. 40, pp. 1289-1291.	
	D	WILIMOWSKI, M. et al., (1970), "Pharmacologic Properties of Derivatives of 3-Phenyl-3-Hydroxyglutaric Acid," Archivum Immunologiae et Therapiae Experimentalis, vol. 18, pp.270-279.	
	E	BARRIO, J. et al., (1971), "5-Cyclohexylmethyl-5-arylhydantoins," Journal of Medicinal Chemistry, vol. 14, no. 9, p. 898.	
	F	BROWN, M.L. et al., (1999), "Comparative Molecular Field Analysis of Hydantoin Binding to the Neuronal Voltage-Dependent Sodium Channel," J. Med. Chem., vol. 42, pp. 1537-1545.	
	G	KNABE, J. et al., (1997), "Razemate und Enantiomere basisch substituierter 5-Phenylhydantoine, Synthese und antiarrhythmische Wirkung, Racemates and enantiomers of basic substituted 5-phenylhydantoins, synthesis and antiarrhythmic activity," Pharmazie, Die, Gopvi Verlag, Eschborn, De, vol. 52, pp. 912-919.	
	H	CASAGRANDE, C. et al., (1974), "Synthesis and antiarrhythmic activity of 5,5-disubstituted-3-aminoalkylhydantoins and some heterocyclic and noncyclic analogues," Farmaco, Edizione Scientifica, Societa Chimica Italiana, Pavia IT, vol. 29, no. 10, pp. 757-785.	
	I	BROUILLETTE, W.J. et al., (1990), "Sodium channel binding and anticonvulsant activities of hydantoins containing conformationally constrained 5-phenyl substituents," J. of Pharmaceutical Sciences, Am. Pharmaceutical Assoc. Washington, US, vol. 79, no. 10, pp. 871-874.	
	J	KADAM, A.N. et al., (1978), "Synthesis of gamma-(5-arylhydantoin-5)-butyric acids," J. of the Indian Chemical Society, Calcutta, IN, vol. 51, no. 1, pp. 107-108.	

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Milton L. Brown

Art Unit

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Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	K	DESPHANDE, R.N. et al., (1970), "Synthesis of Hydantoins of Pharmacological Interest," Indian Journal of Chemistry, Section B: Organic, Incl. Medicinal, Publications & Informations Directorate, New Delhi, IN, vol. 8, no. 11, pp. 1043-1044.	
	L	GALVEZ, E. et al., (1983), "Synthesis and Structural Study of Cyclopentane, Indene and Fluorene Spiro-derivatives," Journal of Heterocyclic Chemistry, Heterocorporation. Provo, US, vol. 20, no. 1, pp. 13-16.	
	M	SARGES, R. et al., (1987), "Spiro Hydantoin Aldose Redutase Inhibitors," Journal of Medicinal Chemistry, vol. 31, no. 1, pp. 230-242.	
	N	DUPRIEST, M.T. et al., (1991), "Spiro[fluoreneisothiazolidin]one Dioxides: New Aldose Redutase and L-Hexonate dehydrogenase Inhibitors," Journal of Medicinal Chemistry, vol. 34, no. 11, pp. 3229-3234.	

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